

## REMARKS

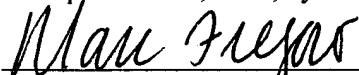
Attached are a Terminal Disclaimer and the appropriate fee to remove the double patenting rejection over U.S. Patent No. 5,973,681.

The Office Action rejected certain claims under 35 USC § 112. Applicants appreciate the Examiner's comments. Since most of the issues are involved with typographical errors, it is believed that the amendments to Claims 94, 99, 119, and 123 render these issues moot.

The Examiner further inquired as to the terminology "supplementary design storing means" as defined in the claims. Applicants direct the Examiner's attention to Figure 28 and more specifically to the data receiving apparatus 3250 which discloses within the control unit 2251 a design information storage unit as reference number 2252 which function as the supplementary design storing means.

With the submission of the Terminal Disclaimer, it is believed that the case is now in condition for allowance, and an early notification of the same is requested. If the Examiner believes that a telephone interview will help further the prosecution of this case, the undersigned attorney can be contacted at the listed telephone number.

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231, on September 17, 2002, by




Signature

September 17, 2002

Date of Signature

Very truly yours,

PRICE AND GESS

  
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**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**IN THE CLAIMS:**

The claims have been amended as follows:

94. (Amended) The communication system of Claim 93, wherein an identification [member] number is commonly assigned to the main image data and position information.

1           99. (Amended) A communication system, including a transmitting apparatus and a  
2 receiving apparatus, for achieving interactivity using a broadcast wave, the transmitting apparatus  
3 comprising:

4           first storing means for storing a plurality of background images that are main image data  
5 to be displayed by the receiving-apparatus and a plurality of sets of control information, each set  
6 of control information including image link information and supplementary design combining  
7 information, the image link information showing a link from one background image to another  
8 background image, and the supplementary design combining information indicating a combining  
9 of at least one supplementary design with a background image and including position  
10 information indicating a position in a background image; and transmitting means for reading the  
11 background images and the sets of control information, and for multiplexing and repeatedly  
12 transmitting the read background images and sets of control information, the receiving apparatus  
13 comprising:

14           supplementary design storing means for storing [rim] supplementary designs, the  
15 supplementary designs including two types of cursor images that respectively represent a selected  
16 and a non-selected state;

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17            separating means for separating one background image and the set of control information  
18    corresponding to the one background image from the repeatedly transmitted multiplexed  
19    background images and sets of control information;  
20            supplementary design reading means for reading a supplementary design from the  
21    supplementary design storing means;  
22            combining means for combining, based on the supplementary design combining  
23    information included in the separated set of control information, the separated background image  
24    and the read supplementary design at a position in the background image indicated by the  
25    position information in the supplementary design combining information to generate image data;  
26            second storing means for storing the generated image data and the separated set of control  
27    information;  
28            reproducing means for reproducing the generated image data and outputting an image  
29    signal;  
30            operation means for receiving a user operation that indicates a switching of image data;  
31    and control means for controlling the separating means, in response to a user operation, to  
32    separate a background image that is indicated by the image link information included in the set of  
33    control information stored by the second storing means.

1            119. (Amended) A receiving apparatus for use in a communication system that  
2    achieves interactivity using a broadcast wave, wherein a plurality of background images and sets  
3    of control information that have been multiplexed are repeatedly transmitted to the receiving  
4    apparatus, each of the background images being main image data to be displayed by the receiving

5 apparatus, each set of control information corresponding to a different one of the background  
6 images and including image link information and supplementary design combining information,  
7 the image link information showing a link from one background image to another background  
8 image, and the supplementary design combining information indicating a combining of at least  
9 one supplementary design with a background image and including position information  
10 indicating a position in a background image, the receiving apparatus comprising:  
11 supplementary design storing means for storing supplementary designs, the  
12 supplementary designs including at least one cursor image;  
13 separating means for separating one background image and the set of control information  
14 corresponding to the one background image from the repeatedly transmitted multiplexed  
15 background images and sets of control information;  
16 supplementary design reading means for reading a supplementary design from the  
17 supplementary design storing means;  
18 combining means for combining, based on the supplementary design combining  
19 information included in the separated set of control information, the separated background image  
20 and the read supplementary design at a position in the background image indicated by the  
21 position information in the supplementary design combining information to generate image data;  
22 storing means for storing the generated image data and the separated set of control  
23 information;  
24 reproducing means for reproducing the generated image data and outputting an image  
25 signal;  
26 [information indicating a combining of at least one supplementary design with a

27 background image and including position information indicating a position in a background  
28 image,  
29 the receiving apparatus comprising:  
30 supplementary design storing means for storing supplementary designs, the  
31 supplementary designs including at least one cursor image;  
32 separating means for separating one background image and the set of control information  
33 corresponding to the one background image from the repeatedly transmitted multiplexed  
34 background images and sets of control information;  
35 supplementary design reading means for reading a supplementary design from the  
36 supplementary design storing means;  
37 combining means for combining, based on the supplementary design combining  
38 information included in the separated set of control information, the separated background image  
39 and the read supplementary design at a position in the background image indicated by the  
40 position information in the supplementary design combining information to generate image data;  
41 storing means for storing the generated image data and the separated set of control  
42 information;  
43 reproducing means for reproducing the generated image data and outputting an image  
44 signal;]  
45 operation means for receiving a user operation that indicates a switching of image data;  
46 and  
47 control means for controlling the separating means, in response to a user operation, to  
48 separate a background image that is indicated by the image link information included in the set of

49 control information stored by the storing means.

1 123. (Amended) A receiving method for use by a receiving apparatus in a  
2 communication system that achieves interactivity using a broadcast wave, wherein a background  
3 image and position information are repeatedly transmitted to the receiving apparatus after being  
4 multiplexed, the background image being main image data to be displayed by the receiving  
5 apparatus and the position information indicating a position in the background image, the  
6 receiving apparatus

7 including a supplementary design storing means for storing supplementary designs, the  
8 receiving method comprising:

9 a separating step for separating the background image and the position information from  
10 the repeatedly transmitted multiplexed background image and position information;

11 a supplementary design reading step for reading a supplementary design from the  
12 supplementary design storing means;

13 a combining step for combining the separated background image and the read  
14 supplementary design at the position in the background image indicated by the separated position  
15 information to generate image data; and

16 a reproducing step for reproducing the generated image data and outputting [gal]  
17 generated image signal.

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